## SEQUENCE LISTING

|   | <110> Liu, Fenyong<br>Wang, Jun<br>Jiang, Hong         |    |
|---|--|----|
|   | <120> Polynucleotide Ligands as Anti-Viral<br>Agents   |    |
|   | <130> BERK-005   |    |
|   | <140> To Be Assigned<br><141> 2000-11-21               |    |
| • | <150> 60/167,509<br><151> 1999-11-24                   |    |
|   | <160> 52   |    |
|   | <170> FastSEQ for Windows Version 4.0                  |    |
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| <400> 5<br>ttacggtcac cttacccctg ggtgtgctct tcccggtggg | 40 |
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|  | 10 |
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| <400> 14 catcacttga ccctactcta cctgggctgg         | g actgggtggg   | 40 |
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| <400> 17 gcacgactct cactcaaggg tcgatgcagg         | g cgtctgtggg   | 40 |
| <210> 18<br><211> 41<br><212> DNA<br><213> random |                |    |
| <400> 18 acctccatgt caatatcatc agtatcaaa          | a tgggtgctgg g | 41 |
| <210> 19<br><211> 40<br><212> DNA<br><213> random |                |    |
| <400> 19 aaccaacttt tttcaaacac tcactatct          | g ggtgtatggg   | 40 |
| <210> 20<br><211> 40                              |                |    |

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| <400> 27<br>acccctctgc ctcactccaa                           | ttcagcgggc | ggttcgtggg |          |           | 40       |
|---|------------|------------|----------|-----------|----------|
| <210> 28<br><211> 40<br><212> DNA<br><213> random           |            |            |          |           |          |
| <400> 28<br>ggtcctacgg actttggcac                           | gcaatcacta | ggtgtttggg |          |           | 40       |
| <210> 29<br><211> 86<br><212> DNA<br><213> random           | ,          |            |          |           |          |
| <220> <221> misc_feature <222> (1)(86) <223> n = A,T,C or G |            |            |          | •         |          |
| <400> 29<br>gccggatccg ggcctcatgt<br>nnnnttgacc gtttattctt  |            | nnnnnnnn   | nnnnnnnn | nnnnnnnnn | 60<br>86 |
| <210> 30<br><211> 48<br><212> DNA<br><213> random           |            |            |          |           |          |
| <400> 30<br>ccgaagctta atacgactca                           | ctatagggag | acaagaataa | acggtcaa |           | 48       |
| <210> 31<br><211> 13<br><212> DNA<br><213> random           |            |            |          | ,         |          |
| <400> 31<br>ccctcatgtc gaa                                  |            | •          |          |           | 13       |
| <210> 32<br><211> 25<br><212> DNA<br><213> random           |            |            |          | ·         |          |
| <400> 32<br>ccaagcggcc tctgataacc                           | aagcç      |            |          |           | 25       |
| <210> 33<br><211> 25<br><212> DNA<br><213> random           |            | •          |          |           |          |
| <400> 33<br>cagcaccatc ctcctcttcc                           | tctgg      |            |          |           | 25       |
| <210> 34  |            |            |          |           |          |

| <211> 30<br><212> DNA<br><213> random                                       |          |
|---|----------|
| <400> 34<br>tgacggggtc acccacactg tgcccatcta                                | 30       |
| <210> 35 <211> 29 <212> DNA <213> random                                    |          |
| <400> 35<br>ctagaagcat tgcggtggca gatggaggg                                 | 29       |
| <210> 36<br><211> 86<br><212> DNA<br><213> Artificial Sequence              |          |
| <220> <223> randomly mutated and selected for binding                       |          |
| <221> misc_feature<br><222> (1)(86)<br><223> n = A,T,C or G                 |          |
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| <210> 37<br><211> 48<br><212> DNA<br><213> Artificial Sequence              |          |
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| <400> 37<br>ccgaagctta atacgactca ctatagggag acaagaataa acggtcaa            | 48       |
| <210> 38 <211> 13 <212> DNA <213> Artificial Sequence                       |          |
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| <400> 38 ccctcatgtc gaa   | 13       |
| <210> 39 <211> 25 <212> DNA <213> Artificial Sequence                       |          |

| <220> <223> randomly mutated and selected for binding                                |          |
|--|----------|
| <400> 39 ccaageggee tetgataace aagee   | 25       |
| <210> 40<br><211> 25   |          |
| <212> DNA<br><213> Artificial Sequence   |          |
| <220> <223> randomly mutated and selected for binding                                |          |
| <400> 40 cagcaccatc ctcctctcc tctgg  | 25       |
| <210> 41<br><211> 30   |          |
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| <400> 41 tgacggggtc acccacactg tgcccatcta  | 30       |
| <210> 42<br><211> 69   |          |
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| <400> 42 ctagaagcat tgcggtggca gatggagggt gtgggtcgtg ttaagcttcg ggcttcgcgc aaatctggg | 60<br>69 |
| <210> 43<br><211> 40   |          |
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| <210> 44<br><211> 39   |          |
| <212> DNA<br><213> Artificial Sequence   |          |
| <220> <223> randomly mutated and selected for binding                                |          |

| <400> 44 cagtacegge cacatteece ateateatae atgggtggg                         | 39       |
|---|----------|
| <210> 45<br><211> 40<br><212> DNA<br><213> Artificial Sequence              |          |
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| <400> 45<br>ctactagcga gcacgcgctc atcgcgccag tgccattggg                     | 40       |
| <210> 46 <211> 41 <212> DNA <213> Artificial Sequence                       |          |
| <220> <223> randomly mutated and selected for binding                       |          |
| <400> 46 cgagactagc gagcacggct catcggtcga gtgccagaag g                      | 41       |
| <210> 47 <211> 38 <212> DNA <213> Artificial Sequence                       |          |
| <220> <223> randomly mutated and selected for binding                       |          |
| <400> 47 ggctcattga cacagactca tcgttgggtc ttgggtgg                          | 38       |
| <210> 48 <211> 86 <212> DNA <213> Artificial Sequence                       |          |
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| <221> misc_feature<br><222> (1)(86)<br><223> n = A,T,C or G                 |          |
| <400> 48 gccggatccg ggcctcatgt cgaannnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnn | 60<br>86 |
| <210> 49 <211> 48 <212> DNA <213> Artificial Sequence                       |          |
| <220>   |          |

|  | <223> randomly mutated and selected for binding      |    |
|--|--|----|
|  | <400> 49   |    |
|  | ccgaagctta atacgactca ctatagggag acaagaataa acggtcaa | 48 |
|  | <210> 50   |    |
|  | <211> 13   |    |
|  | <212> DNA  |    |
|  | <213> Artificial Sequence                            |    |
|  | <220>  | •  |
|  | <223> randomly mutated and selected for binding      |    |
|  | <400> 50   |    |
|  | ccctcatgtc gaa                                       | 13 |
|  | <210> 51   |    |
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| 1.1  | <400> 51   |    |
| 4[]  | tgacggggtc acccacactg tgcccatcta                     | 30 |
| in the state of th | <210> 52   |    |
|  | <211> 29   |    |
| 122  | <212> DNA  |    |
| []]<br>[2  | <213> Artificial Sequence                            |    |
| there is a constitution of the constitution of | <220>  |    |
| :  | <223> randomly mutated and selected for binding      |    |
| hi b   | <400> 52   |    |
| 22.4   | ctagaagcat tgcggtggca gatggaggg                      | 29 |
| M  | crayaaycar rycyycyd yaryywyy                         | 2) |
| ļ <del>.</del>   |  |    |
| 113  |  |    |
| 1.7  |  |    |
|  |  |    |